

MEMORANDUM

DATE:	October 31 st , 2016
FROM:	Eric Lancaster
SUBJECT:	Weekly Progress Report @ Gold King
TO:	Kerry Guy

Project: Gold King Interim Water Treatment Plant (IWTP)

Location: Gladstone, Colorado

Prepared for: Emergency Response Unit – US EPA Region 8

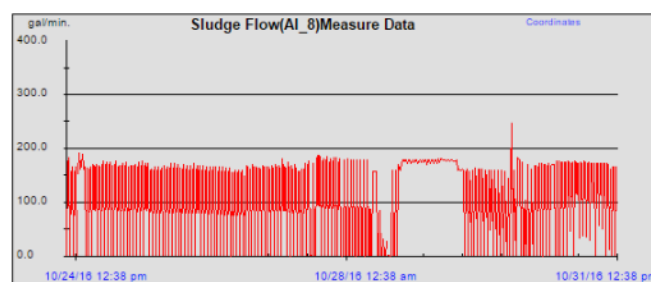
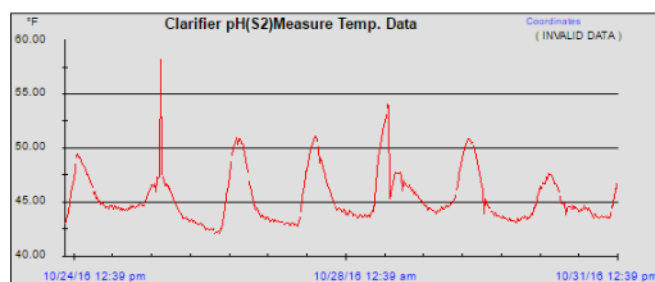
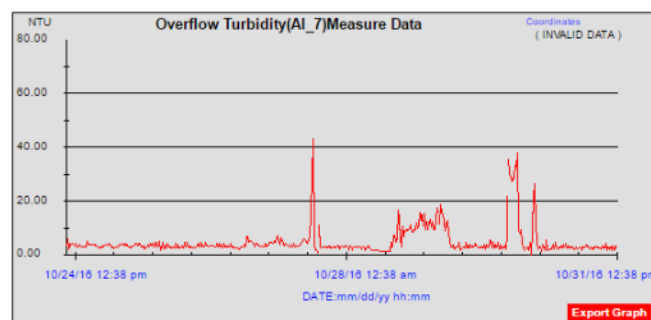
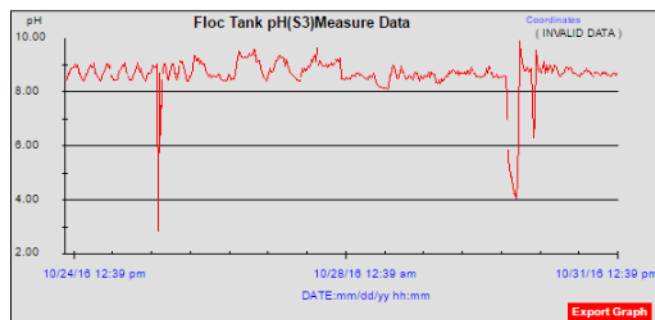
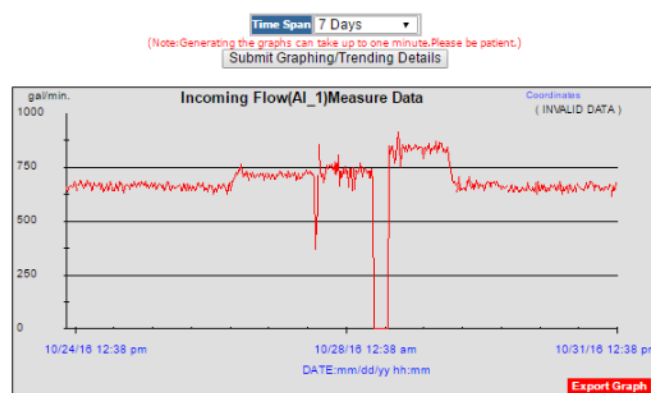
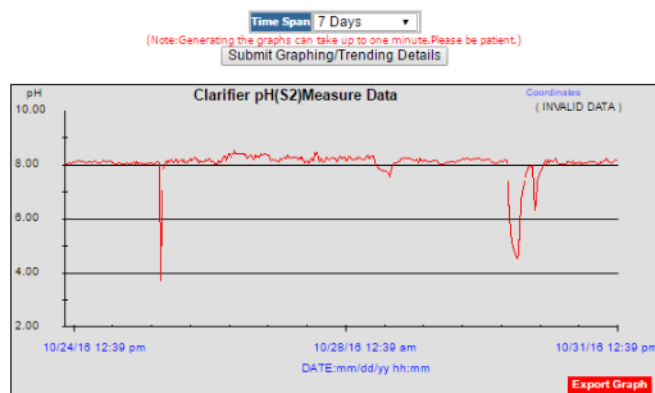
Reporting Period: Oct 24 – Oct 31

Report No.: 42

I. General Operations Summary:

IWTS Function/Upsets

- The following graphs provide trending information during the previous 7 days. The dataloggers collect control information from the Lime Circuit (left) and Flow Circuit (right) Programmable Logic Controllers (PLCs) at the Gold King IWTP. Over the reporting period (10/24 – 10/31/2016 inclusive) Alexco treated 7.04 million gallons at an average flow rate of 698 gpm.



- On 10/28, the two 8" HDPE incoming pipelines were worked on, and flow was held in Pond 2 for 4 hours until it could be released/treated.
- A pH sample from the IWTP inlet on 10/28 measured 3.88.

Communication System Function Status

- No issues – reliable operations during the reporting period.

Facility or System Related Work, including Repairs & Completions

- Alexco ran heat-trace and insulation on the 3" sludge and pump-back pipelines in preparation for colder temperatures.
- Alexco/Summit Mechanical/ER installed the 60' x 135' bag in Cell A.
- Alexco/Summit Mechanical began construction of the building extension.

II. Identified Problems, Causes, and Solutions (Planned or Implemented)

- N/A

III. System Inspections – Specific elements inspected and finding

- N/A

IV. Site Status

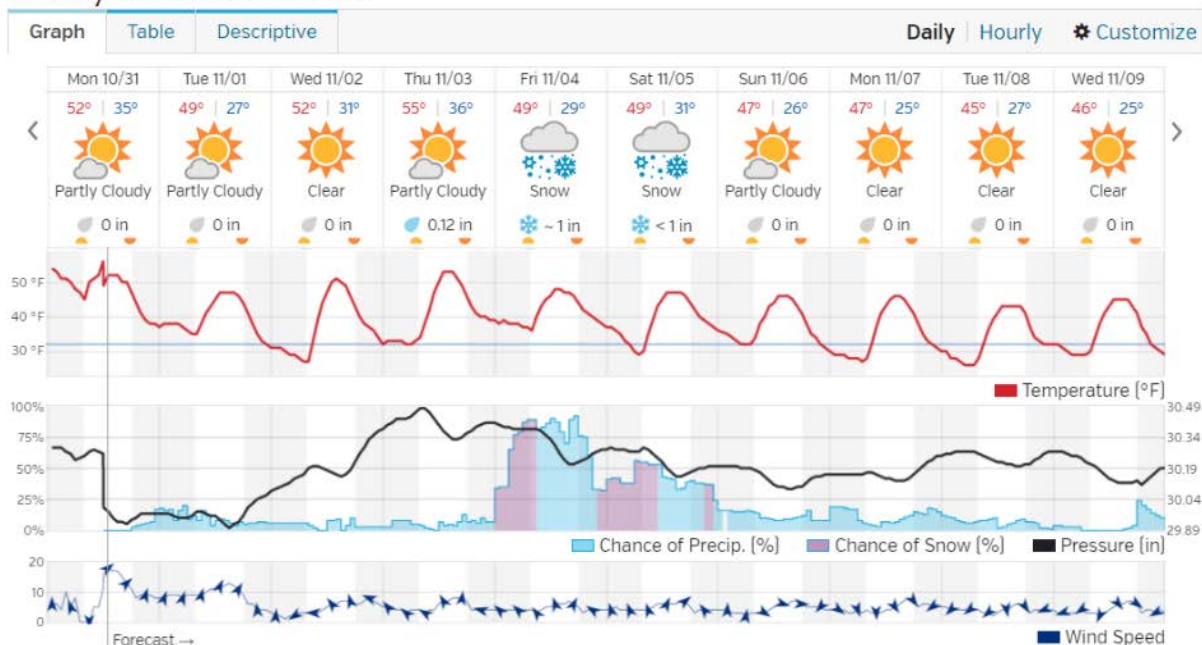
Personnel and equipment onsite

- Alexco currently employs one full-time employee (FTE), and a part-time employee who both live in Silverton and oversee operations at the Gold King IWTP. The site is also supported by remote operators from Monte Vista and Denver, and local sub-contractors as needed.

Weather conditions

- Weather Underground Report for Silverton, CO (10/31 – 11/09/2016)

10-Day Weather Forecast



Pictures from Site



Photo 1: View of Cell A on 10/28 from County Rd 110.



Photo 2: Taken on 10/28, this photo shows the preparation for installing steel supports (red iron). Notice that the 12' x 14' door was removed and the Phase II clarifier catwalk installed.